

Fitchburg

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	24.90	38	153 #+	Male	14.62	8	55
Female	11.19	19	170 #+	Female	12.27	4	NC*
Total	36.09	57	158 ~+	Total	26.90	12	45 ~-
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	7.62	8	105	Male	4.53	4	NC*
Female	6.64	8	120	Female	4.62	1	NC*
Total	14.26	16	112	Total	9.15	5	55
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	1.54	3	NC*	Male	18.95	26	137
Female	154.41	148	96	Female	19.41	20	103
Total	155.95	151	97	Total	38.36	46	120
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	9.00	11	122	Male	14.51	21	145
				Female	7.95	10	126
				Total	22.46	31	138
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	62.14	52	84	Female	18.08	19	105
Female	70.46	74	105				
Total	132.60	126	95				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	8.47	13	153	Male	9.51	13	137
Female	3.66	1	NC*	Female	12.13	5	41 #-
Total	12.14	14	115	Total	21.64	18	83
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	3.71	2	NC*	Male	143.65	131	91
Female	3.23	2	NC*				
Total	6.95	4	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	13.45	14	104	Male	10.40	9	87
Female	9.52	11	116	Female	7.66	6	78
Total	22.96	25	109	Total	18.06	15	83
<u>Larynx</u>				<u>Testis</u>			
Male	7.61	8	105	Male	5.63	6	107
Female	2.19	3	NC*				
Total	9.80	11	112				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	10.57	6	57	Male	2.85	4	NC*
Female	9.37	7	75	Female	8.10	8	99
Total	19.94	13	65	Total	10.95	12	110
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	4.99	0	NC*	Female	29.30	32	109
Female	2.51	2	NC*				
Total	7.51	2	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	76.43	86	113	Male	479.58	475	99
Female	65.43	63	96	Female	506.63	498	98
Total	141.86	149	105	Total	986.21	973	99

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

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Florida

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	0.51	0	NC*	Male	0.33	2	NC*
Female	0.17	0	NC*	Female	0.22	0	NC*
Total	0.68	0	NC*	Total	0.56	2	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.17	0	NC*	Male	0.10	0	NC*
Female	0.12	0	NC*	Female	0.08	0	NC*
Total	0.29	0	NC*	Total	0.17	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.03	0	NC*	Male	0.42	1	NC*
Female	2.88	0	NC*	Female	0.32	0	NC*
Total	2.91	0	NC*	Total	0.73	1	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.17	0	NC*	Male	0.35	0	NC*
				Female	0.14	0	NC*
				Total	0.49	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	1.28	1	NC*	Female	0.34	0	NC*
Female	1.05	0	NC*				
Total	2.33	1	NC*				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.19	1	NC*	Male	0.21	0	NC*
Female	0.05	0	NC*	Female	0.18	0	NC*
Total	0.25	1	NC*	Total	0.39	0	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.08	0	NC*	Male	3.16	2	NC*
Female	0.06	0	NC*				
Total	0.14	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.31	0	NC*	Male	0.22	0	NC*
Female	0.17	0	NC*	Female	0.11	0	NC*
Total	0.47	0	NC*	Total	0.33	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.18	0	NC*	Male	0.12	0	NC*
Female	0.04	0	NC*				
Total	0.22	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			

Male	0.22	0	NC*
Female	0.16	0	NC*
Total	0.38	0	NC*

Liver and Intrahepatic Bile Ducts

Male	0.11	0	NC*
Female	0.04	0	NC*
Total	0.15	0	NC*

Lung and Bronchus

Male	1.65	1	NC*
Female	1.14	0	NC*
Total	2.80	1	NC*

Male	0.07	0	NC*
Female	0.16	0	NC*
Total	0.22	0	NC*

Uteri, Corpus and Uterus, NOS

Female	0.56	0	NC*
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All Sites / Types

Male	10.42	8	77
Female	8.77	0	NC*
Total	19.19	8	42 ~-

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+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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Foxborough

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	9.16	5	55	Male	6.08	12	197 #+
Female	3.26	6	184	Female	4.54	9	198
Total	12.42	11	89	Total	10.62	21	198 ~+
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	3.21	3	NC*	Male	1.75	4	NC*
Female	2.40	1	NC*	Female	1.50	3	NC*
Total	5.61	4	NC*	Total	3.25	7	216
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.60	1	NC*	Male	7.62	10	131
Female	57.09	79	138 ~+	Female	6.28	7	111
Total	57.70	80	139 ~+	Total	13.90	17	122
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	3.64	1	NC*	Male	6.37	10	157
				Female	2.74	5	183
				Total	9.11	15	165
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	23.16	28	121	Female	6.77	8	118
Female	20.36	28	138				
Total	43.52	56	129				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	3.51	5	143	Male	3.73	3	NC*
Female	1.04	0	NC*	Female	3.56	3	NC*
Total	4.55	5	110	Total	7.29	6	82
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.56	1	NC*	Male	57.57	47	82

Female	1.22	1	NC*				
Total	2.78	2	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	5.61	5	89	Male	3.91	0	NC*
Female	3.23	6	186	Female	2.20	4	NC*
Total	8.84	11	124	Total	6.11	4	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	3.28	5	152	Male	2.38	2	NC*
Female	0.83	0	NC*				
Total	4.11	5	122				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	4.12	8	194	Male	1.28	2	NC*
Female	3.07	8	261 #+	Female	3.31	2	NC*
Total	7.19	16	223 ~+	Total	4.59	4	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	2.07	0	NC*				
Female	0.77	2	NC*	Female	10.89	11	101
Total	2.84	2	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	30.19	23	76	Male	189.97	192	101
Female	22.17	40	180 ^+	Female	173.04	248	143 ^+
Total	52.36	63	120	Total	363.01	440	121 ^+

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Framingham

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	38.34	36	94	Male	24.92	40	160 ~+
Female	16.09	13	81	Female	20.67	21	102
Total	54.43	49	90	Total	45.60	61	134 #+
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	13.09	15	115	Male	7.20	8	111
Female	10.78	14	130	Female	7.01	6	86
Total	23.87	29	121	Total	14.21	14	98
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	2.47	5	203	Male	31.63	36	114
Female	255.94	293	114 #+	Female	29.73	25	84
Total	258.41	298	115 #+	Total	61.36	61	99
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	25.36	34	134
Female	16.30	13	80	Female	12.56	6	48

				Total	37.92	40	105
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	96.80	90	93				
Female	100.82	104	103	Female	30.29	24	79
Total	197.62	194	98				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	14.11	14	99	Male	15.31	8	52
Female	5.20	4	NC*	Female	17.50	23	131
Total	19.31	18	93	Total	32.80	31	95
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	6.73	5	74	Male	234.36	242	103
Female	5.63	2	NC*				
Total	12.37	7	57				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	22.64	27	119	Male	16.29	9	55
Female	14.88	11	74	Female	10.97	10	91
Total	37.52	38	101	Total	27.25	19	70
<u>Larynx</u>				<u>Testis</u>			
Male	13.06	6	46 #-	Male	10.73	13	121
Female	3.64	2	NC*				
Total	16.70	8	48 #-				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	16.96	22	130	Male	5.31	4	NC*
Female	14.24	17	119	Female	14.86	19	128
Total	31.21	39	125	Total	20.18	23	114
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	8.38	12	143				
Female	3.69	7	190	Female	48.35	43	89
Total	12.07	19	157				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	123.78	96	78 #-	Male	781.11	775	99
Female	101.91	110	108	Female	799.75	833	104
Total	225.69	206	91	Total	1580.86	1608	102

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Franklin

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	11.01	12	109	Male	8.28	12	145
Female	4.28	3	NC*	Female	6.73	13	193 #+
Total	15.29	15	98	Total	15.01	25	167 #+

Brain and Other Central Nervous System

Male	4.69	5	107
Female	3.63	5	138
Total	8.32	10	120

Breast

Male	0.75	2	NC*
Female	80.99	68	84
Total	81.74	70	86

Cervix Uteri

Female	5.64	6	106
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Colon / Rectum

Male	28.04	27	96
Female	26.70	23	86
Total	54.73	50	91

Esophagus

Male	4.48	3	NC*
Female	1.35	3	NC*
Total	5.83	6	103

Hodgkin's Disease

Male	2.57	1	NC*
Female	2.03	4	NC*
Total	4.59	5	109

Kidney and Renal Pelvis

Male	7.42	6	81
Female	4.46	2	NC*
Total	11.88	8	67

Larynx

Male	4.30	3	NC*
Female	1.14	2	NC*
Total	5.43	5	92

Leukemia

Male	5.72	3	NC*
Female	4.59	6	131
Total	10.30	9	87

Liver and Intrahepatic Bile Ducts

Male	2.71	2	NC*
Female	1.03	3	NC*
Total	3.74	5	134

Lung and Bronchus

Male	37.47	31	83
Female	29.73	32	108
Total	67.19	63	94

Multiple Myeloma

Male	2.17	3	NC*
Female	2.01	1	NC*
Total	4.18	4	NC*

Non-Hodgkin's Lymphoma

Male	10.40	6	58
Female	8.71	16	184 #+
Total	19.11	22	115

Oral Cavity and Pharynx

Male	8.64	4	NC*
Female	3.81	3	NC*
Total	12.45	7	56

Ovary

Female	9.78	11	112
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Pancreas

Male	4.65	4	NC*
Female	4.64	3	NC*
Total	9.29	7	75

Prostate

Male	70.91	77	109
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Stomach

Male	4.83	1	NC*
Female	2.91	5	172
Total	7.74	6	77

Testis

Male	4.08	5	123
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Thyroid

Male	1.95	0	NC*
Female	5.28	6	114
Total	7.24	6	83

Uteri, Corpus and Uterus, NOS

Female	15.20	16	105
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All Sites / Types

Male	241.95	224	93
Female	241.46	244	101
Total	483.41	468	97

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Freetown

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	4.89	3	NC*	Male	3.47	3	NC*
Female	1.68	2	NC*	Female	2.51	2	NC*
Total	6.57	5	76	Total	5.98	5	84
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.83	2	NC*	Male	0.96	1	NC*
Female	1.32	2	NC*	Female	0.81	0	NC*
Total	3.15	4	NC*	Total	1.77	1	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.33	0	NC*	Male	4.27	3	NC*
Female	32.11	33	103	Female	3.34	2	NC*
Total	32.44	33	102	Total	7.61	5	66
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	2.04	1	NC*	Male	3.73	1	NC*
				Female	1.51	1	NC*
				Total	5.24	2	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	12.33	12	97	Female	3.80	4	NC*
Female	10.44	9	86				
Total	22.77	21	92				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.97	1	NC*	Male	2.05	2	NC*
Female	0.53	0	NC*	Female	1.83	4	NC*
Total	2.50	1	NC*	Total	3.88	6	155
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.88	0	NC*	Male	31.10	19	61 #-
Female	0.65	3	NC*				
Total	1.53	3	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	3.20	0	NC*	Male	2.13	1	NC*
Female	1.77	0	NC*	Female	1.12	1	NC*
Total	4.96	0	NC*	Total	3.25	2	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.88	1	NC*	Male	1.33	2	NC*
Female	0.47	0	NC*				
Total	2.35	1	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	2.29	5	219	Male	0.75	1	NC*
Female	1.65	3	NC*	Female	1.83	2	NC*
Total	3.94	8	203	Total	2.58	3	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.17	0	NC*	Female	6.18	4	NC*
Female	0.40	0	NC*				
Total	1.57	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			

Male	16.39	10	61	Male	103.95	70	67 ^~
Female	12.10	8	66	Female	94.49	82	87
Total	28.50	18	63 #-	Total	198.44	152	77 ^~

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Gardner

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	14.48	15	104	Male	8.71	6	69
Female	5.83	8	137	Female	6.41	2	NC*
Total	20.31	23	113	Total	15.12	8	53
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	4.48	4	NC*	Male	2.65	2	NC*
Female	3.42	3	NC*	Female	2.42	4	NC*
Total	7.90	7	89	Total	5.07	6	118
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.90	1	NC*	Male	11.20	15	134
Female	81.43	60	74 #-	Female	10.11	14	139
Total	82.33	61	74 #-	Total	21.31	29	136
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	4.69	6	128	Male	8.68	5	58
				Female	4.18	6	144
				Total	12.86	11	86
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	36.18	44	122	Female	9.50	12	126
Female	36.73	38	103				
Total	72.90	82	112				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	5.01	8	160	Male	5.58	6	108
Female	1.91	0	NC*	Female	6.32	4	NC*
Total	6.91	8	116	Total	11.90	10	84
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	2.22	0	NC*	Male	84.12	80	95
Female	1.63	0	NC*				
Total	3.85	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	7.96	11	138	Male	6.08	5	82
Female	4.98	3	NC*	Female	3.99	5	125
Total	12.93	14	108	Total	10.07	10	99
<u>Larynx</u>				<u>Testis</u>			
Male	4.52	6	133	Male	3.45	1	NC*

Female	1.16	2	NC*
Total	5.69	8	141

Leukemia

Male	6.12	4	NC*
Female	4.82	3	NC*
Total	10.93	7	64

Liver and Intrahepatic Bile Ducts

Male	2.95	4	NC*
Female	1.31	1	NC*
Total	4.26	5	117

Lung and Bronchus

Male	44.77	38	85
Female	34.34	27	79
Total	79.11	65	82

Thyroid

Male	1.74	0	NC*
Female	4.18	2	NC*
Total	5.92	2	NC*

Uteri, Corpus and Uterus, NOS

Female	15.50	17	110
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All Sites / Types

Male	281.37	268	95
Female	265.41	236	89
Total	546.78	504	92

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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SIR = standardized incidence ratio [**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.01$ and $p \leq 0.05$ levels

Georgetown

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	4.08	6	147
Female	1.39	1	NC*
Total	5.47	7	128

Brain and Other Central Nervous System

Male	1.51	1	NC*
Female	1.09	2	NC*
Total	2.60	3	NC*

Breast

Male	0.27	0	NC*
Female	26.31	27	103
Total	26.59	27	102

Cervix Uteri

Female	1.68	2	NC*
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Colon / Rectum

Male	10.30	7	68
Female	8.67	9	104
Total	18.98	16	84

Esophagus

Male	1.63	0	NC*
Female	0.44	0	NC*

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	2.84	5	176
Female	2.07	1	NC*
Total	4.91	6	122

Multiple Myeloma

Male	0.80	0	NC*
Female	0.67	1	NC*
Total	1.47	1	NC*

Non-Hodgkin's Lymphoma

Male	3.51	8	228
Female	2.77	6	217
Total	6.27	14	223 #+

Oral Cavity and Pharynx

Male	3.06	1	NC*
Female	1.24	0	NC*
Total	4.30	1	NC*

Ovary

Female	3.12	1	NC*
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Pancreas

Male	1.70	0	NC*
Female	1.52	0	NC*

Total	2.07	0	NC*
<u>Hodgkin's Disease</u>			
Male	0.71	0	NC*
Female	0.55	0	NC*
Total	1.25	0	NC*

<u>Kidney and Renal Pelvis</u>			
Male	2.64	3	NC*
Female	1.45	0	NC*
Total	4.09	3	NC*

<u>Larynx</u>			
Male	1.55	0	NC*
Female	0.38	1	NC*
Total	1.94	1	NC*

<u>Leukemia</u>			
Male	1.91	2	NC*
Female	1.37	0	NC*
Total	3.27	2	NC*

<u>Liver and Intrahepatic Bile Ducts</u>			
Male	0.96	1	NC*
Female	0.33	0	NC*
Total	1.30	1	NC*

<u>Lung and Bronchus</u>			
Male	13.68	12	88
Female	9.94	13	131
Total	23.62	25	106

Total	3.22	0	NC*
<u>Prostate</u>			
Male	26.05	24	92

<u>Stomach</u>			
Male	1.77	1	NC*
Female	0.93	3	NC*
Total	2.70	4	NC*

<u>Testis</u>			
Male	1.04	1	NC*

<u>Thyroid</u>			
Male	0.60	0	NC*
Female	1.52	0	NC*
Total	2.12	0	NC*

<u>Uteri, Corpus and Uterus, NOS</u>			
Female	5.05	6	119

<u>All Sites / Types</u>			
Male	86.43	77	89
Female	77.80	77	99
Total	164.22	154	94

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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Gill

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	1.16	1	NC*
Female	0.35	1	NC*
Total	1.51	2	NC*

<u>Brain and Other Central Nervous System</u>			
Male	0.38	0	NC*
Female	0.26	0	NC*
Total	0.64	0	NC*

<u>Breast</u>			
Male	0.08	0	NC*
Female	6.43	6	93
Total	6.50	6	92

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	0.74	1	NC*
Female	0.49	0	NC*
Total	1.23	1	NC*

<u>Multiple Myeloma</u>			
Male	0.22	0	NC*
Female	0.17	0	NC*
Total	0.39	0	NC*

<u>Non-Hodgkin's Lymphoma</u>			
Male	0.92	0	NC*
Female	0.68	1	NC*
Total	1.60	1	NC*

Cervix Uteri

Female	0.39	1	NC*
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Colon / Rectum

Male	2.92	0	NC*
Female	2.15	1	NC*
Total	5.07	1	NC*

Esophagus

Male	0.44	0	NC*
Female	0.11	0	NC*
Total	0.55	0	NC*

Hodgkin's Disease

Male	0.17	0	NC*
Female	0.12	0	NC*
Total	0.29	0	NC*

Kidney and Renal Pelvis

Male	0.69	0	NC*
Female	0.36	0	NC*
Total	1.05	0	NC*

Larynx

Male	0.41	0	NC*
Female	0.10	0	NC*
Total	0.50	0	NC*

Leukemia

Male	0.50	0	NC*
Female	0.32	0	NC*
Total	0.82	0	NC*

Liver and Intrahepatic Bile Ducts

Male	0.25	1	NC*
Female	0.08	0	NC*
Total	0.34	1	NC*

Lung and Bronchus

Male	3.77	3	NC*
Female	2.50	1	NC*
Total	6.26	4	NC*

Oral Cavity and Pharynx

Male	0.78	2	NC*
Female	0.30	1	NC*
Total	1.09	3	NC*

Ovary

Female	0.76	0	NC*
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Pancreas

Male	0.47	0	NC*
Female	0.38	0	NC*
Total	0.85	0	NC*

Prostate

Male	7.15	4	NC*
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Stomach

Male	0.49	0	NC*
Female	0.23	0	NC*
Total	0.72	0	NC*

Testis

Male	0.24	0	NC*
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Thyroid

Male	0.15	0	NC*
Female	0.34	0	NC*
Total	0.49	0	NC*

Uteri, Corpus and Uterus, NOS

Female	1.25	0	NC*
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All Sites / Types

Male	23.49	12	51 #-
Female	19.05	13	68
Total	42.53	25	59 ~-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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Gloucester

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

<u>Bladder, Urinary</u>	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>	<u>Melanoma of Skin</u>	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
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Male	21.15	26	123
Female	8.36	9	108
Total	29.51	35	119
<u>Brain and Other Central Nervous System</u>			
Male	6.39	10	157
Female	5.18	4	NC*
Total	11.57	14	121
<u>Breast</u>			
Male	1.33	1	NC*
Female	126.21	139	110
Total	127.53	140	110
<u>Cervix Uteri</u>			
Female	7.26	16	220 ~+
<u>Colon / Rectum</u>			
Male	52.80	48	91
Female	52.43	48	92
Total	105.22	96	91
<u>Esophagus</u>			
Male	7.45	16	215 ~+
Female	2.71	3	NC*
Total	10.16	19	187 #+
<u>Hodgkin's Disease</u>			
Male	2.91	4	NC*
Female	2.39	4	NC*
Total	5.31	8	151
<u>Kidney and Renal Pelvis</u>			
Male	11.75	13	111
Female	7.55	11	146
Total	19.30	24	124
<u>Larynx</u>			
Male	6.76	8	118
Female	1.85	4	NC*
Total	8.61	12	139
<u>Leukemia</u>			
Male	8.78	13	148
Female	7.02	7	100
Total	15.79	20	127
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	4.35	9	207
Female	1.91	2	NC*
Total	6.26	11	176
<u>Lung and Bronchus</u>			
Male	65.93	67	102
Female	52.58	60	114
Total	118.52	127	107

Male	12.62	11	87
Female	9.74	12	123
Total	22.36	23	103
<u>Multiple Myeloma</u>			
Male	3.91	8	205
Female	3.62	8	221
Total	7.53	16	213 ~+
<u>Non-Hodgkin's Lymphoma</u>			
Male	16.06	12	75
Female	14.92	17	114
Total	30.98	29	94
<u>Oral Cavity and Pharynx</u>			
Male	12.91	18	139
Female	6.32	8	127
Total	19.23	26	135
<u>Ovary</u>			
Female	14.72	20	136
<u>Pancreas</u>			
Male	8.22	7	85
Female	9.11	11	121
Total	17.33	18	104
<u>Prostate</u>			
Male	124.51	92	74 ~-
<u>Stomach</u>			
Male	8.88	10	113
Female	5.65	7	124
Total	14.53	17	117
<u>Testis</u>			
Male	4.29	5	117
<u>Thyroid</u>			
Male	2.42	1	NC*
Female	6.40	2	NC*
Total	8.82	3	NC*
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	24.31	30	123
<u>All Sites / Types</u>			
Male	411.48	406	99
Female	399.91	459	115 ~+
Total	811.39	865	107

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Goshen

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	0.65	0	NC*	Male	0.39	0	NC*
Female	0.20	0	NC*	Female	0.27	0	NC*
Total	0.84	0	NC*	Total	0.66	0	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.20	2	NC*	Male	0.12	0	NC*
Female	0.14	0	NC*	Female	0.09	0	NC*
Total	0.34	2	NC*	Total	0.21	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.04	0	NC*	Male	0.49	0	NC*
Female	3.36	2	NC*	Female	0.38	0	NC*
Total	3.40	2	NC*	Total	0.87	0	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.21	0	NC*	Male	0.41	1	NC*
				Female	0.16	0	NC*
				Total	0.57	1	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	1.63	2	NC*	Female	0.40	0	NC*
Female	1.26	0	NC*				
Total	2.88	2	NC*				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.24	0	NC*	Male	0.26	0	NC*
Female	0.06	0	NC*	Female	0.21	1	NC*
Total	0.30	0	NC*	Total	0.47	1	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.09	0	NC*	Male	4.01	2	NC*
Female	0.07	0	NC*				
Total	0.16	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.37	0	NC*	Male	0.27	0	NC*
Female	0.19	0	NC*	Female	0.14	0	NC*
Total	0.56	0	NC*	Total	0.41	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.22	0	NC*	Male	0.13	0	NC*
Female	0.05	0	NC*				
Total	0.27	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.27	0	NC*	Male	0.08	0	NC*
Female	0.18	0	NC*	Female	0.19	0	NC*
Total	0.45	0	NC*	Total	0.27	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.14	1	NC*				

Female	0.05	0	NC*
Total	0.18	1	NC*

Lung and Bronchus

Male	2.09	2	NC*
Female	1.32	1	NC*
Total	3.41	3	NC*

Female	0.64	1	NC*
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All Sites / Types

Male	12.93	10	77
Female	10.31	5	48
Total	23.24	15	65

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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Gosnold

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	0.17	0	NC*	Male	0.10	0	NC*
Female	0.04	0	NC*	Female	0.05	0	NC*
Total	0.21	0	NC*	Total	0.15	0	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.05	0	NC*	Male	0.03	0	NC*
Female	0.03	0	NC*	Female	0.02	0	NC*
Total	0.07	0	NC*	Total	0.05	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.01	0	NC*	Male	0.12	0	NC*
Female	0.66	0	NC*	Female	0.08	0	NC*
Total	0.67	0	NC*	Total	0.20	0	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.04	0	NC*	Male	0.10	0	NC*
				Female	0.03	0	NC*
				Total	0.13	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	0.42	0	NC*	Female	0.08	0	NC*
Female	0.26	1	NC*				
Total	0.68	1	NC*				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.06	0	NC*	Male	0.06	0	NC*
Female	0.01	0	NC*	Female	0.05	0	NC*
Total	0.07	0	NC*	Total	0.11	0	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.02	0	NC*	Male	1.01	0	NC*
Female	0.01	0	NC*				
Total	0.03	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.09	0	NC*	Male	0.07	0	NC*
Female	0.04	0	NC*	Female	0.03	0	NC*

Total	0.13	0	NC*
<u>Larynx</u>			
Male	0.05	0	NC*
Female	0.01	0	NC*
Total	0.06	0	NC*

<u>Leukemia</u>			
Male	0.06	0	NC*
Female	0.03	0	NC*
Total	0.10	0	NC*

<u>Liver and Intrahepatic Bile Ducts</u>			
Male	0.03	0	NC*
Female	0.01	0	NC*
Total	0.04	0	NC*

<u>Lung and Bronchus</u>			
Male	0.53	0	NC*
Female	0.27	0	NC*
Total	0.80	0	NC*

Total	0.10	0	NC*
<u>Testis</u>			
Male	0.03	0	NC*

<u>Thyroid</u>			
Male	0.02	0	NC*
Female	0.03	0	NC*
Total	0.05	0	NC*

<u>Uteri, Corpus and Uterus, NOS</u>			
Female	0.13	0	NC*

<u>All Sites / Types</u>			
Male	3.24	0	NC*
Female	2.04	1	NC*
Total	5.28	1	NC*

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [**Obs** / **Exp**] X 100]

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indicates statistical significance at the $p \leq 0.05$ level

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Grafton

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	8.32	2	NC*
Female	3.03	1	NC*
Total	11.35	3	NC*

<u>Brain and Other Central Nervous System</u>			
Male	2.83	5	177
Female	2.18	4	NC*
Total	5.00	9	180

<u>Breast</u>			
Male	0.54	1	NC*
Female	51.35	57	111
Total	51.89	58	112

<u>Cervix Uteri</u>			
Female	3.26	3	NC*

<u>Colon / Rectum</u>			
Male	20.90	11	53 #-
Female	19.02	19	100
Total	39.92	30	75

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	5.37	6	112
Female	4.10	4	NC*
Total	9.48	10	106

<u>Multiple Myeloma</u>			
Male	1.58	1	NC*
Female	1.38	4	NC*
Total	2.96	5	169

<u>Non-Hodgkin's Lymphoma</u>			
Male	6.79	13	192 #+
Female	5.79	5	86
Total	12.58	18	143

<u>Oral Cavity and Pharynx</u>			
Male	5.54	5	90
Female	2.48	2	NC*
Total	8.02	7	87

<u>Ovary</u>			
Female	6.08	4	NC*

Esophagus

Male	3.07	2	NC*
Female	0.97	1	NC*
Total	4.04	3	NC*

Hodgkin's Disease

Male	1.38	1	NC*
Female	1.11	1	NC*
Total	2.49	2	NC*

Kidney and Renal Pelvis

Male	4.95	6	121
Female	2.94	3	NC*
Total	7.90	9	114

Larynx

Male	2.85	2	NC*
Female	0.74	1	NC*
Total	3.59	3	NC*

Leukemia

Male	3.72	3	NC*
Female	2.80	4	NC*
Total	6.51	7	107

Liver and Intrahepatic Bile Ducts

Male	1.82	1	NC*
Female	0.71	0	NC*
Total	2.52	1	NC*

Lung and Bronchus

Male	26.73	29	109
Female	20.30	20	99
Total	47.03	49	104

Pancreas

Male	3.31	3	NC*
Female	3.29	2	NC*
Total	6.60	5	76

Prostate

Male	50.36	66	131 #+
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Stomach

Male	3.54	4	NC*
Female	2.05	1	NC*
Total	5.58	5	90

Testis

Male	2.10	0	NC*
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Thyroid

Male	1.11	3	NC*
Female	2.98	2	NC*
Total	4.09	5	122

Uteri, Corpus and Uterus, NOS

Female	9.79	3	NC*
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All Sites / Types

Male	168.38	175	104
Female	157.55	153	97
Total	325.93	328	101

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [**Obs / Exp**] X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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indicates statistical significance at the $p \leq 0.05$ level

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Granby

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	3.63	0	NC*	Male	2.36	1	NC*
Female	1.30	2	NC*	Female	1.79	1	NC*
Total	4.93	2	NC*	Total	4.15	2	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.24	2	NC*	Male	0.70	1	NC*
Female	0.96	5	519 ~+	Female	0.61	0	NC*
Total	2.21	7	317 #+	Total	1.30	1	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			

Male	0.24	0	NC*
Female	22.94	19	83
Total	23.18	19	82

Cervix Uteri

Female	1.42	0	NC*
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Colon / Rectum

Male	9.19	9	98
Female	8.12	3	NC*
Total	17.31	12	69

Esophagus

Male	1.38	1	NC*
Female	0.42	0	NC*
Total	1.80	1	NC*

Hodgkin's Disease

Male	0.58	1	NC*
Female	0.47	1	NC*
Total	1.05	2	NC*

Kidney and Renal Pelvis

Male	2.21	3	NC*
Female	1.32	1	NC*
Total	3.53	4	NC*

Larynx

Male	1.29	3	NC*
Female	0.34	0	NC*
Total	1.63	3	NC*

Leukemia

Male	1.61	1	NC*
Female	1.21	1	NC*
Total	2.82	2	NC*

Liver and Intrahepatic Bile Ducts

Male	0.81	0	NC*
Female	0.31	0	NC*
Total	1.12	0	NC*

Lung and Bronchus

Male	12.03	6	50
Female	9.21	7	76
Total	21.24	13	61

Male	2.96	1	NC*
Female	2.53	3	NC*
Total	5.48	4	NC*

Oral Cavity and Pharynx

Male	2.48	2	NC*
Female	1.10	2	NC*
Total	3.58	4	NC*

Ovary

Female	2.71	0	NC*
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Pancreas

Male	1.47	0	NC*
Female	1.44	0	NC*
Total	2.90	0	NC*

Prostate

Male	22.96	15	65
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Stomach

Male	1.54	1	NC*
Female	0.86	1	NC*
Total	2.40	2	NC*

Testis

Male	0.87	3	NC*
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Thyroid

Male	0.48	0	NC*
Female	1.27	1	NC*
Total	1.76	1	NC*

Uteri, Corpus and Uterus, NOS

Female	4.43	8	180
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All Sites / Types

Male	75.04	51	68 ~-
Female	69.57	62	89
Total	144.62	113	78 ~-

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Granville

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	0.82	2	NC*	Male	0.55	0	NC*
Female	0.31	0	NC*	Female	0.42	0	NC*
Total	1.13	2	NC*	Total	0.97	0	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.30	0	NC*	Male	0.16	0	NC*
Female	0.22	0	NC*	Female	0.14	0	NC*
Total	0.52	0	NC*	Total	0.30	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.05	0	NC*	Male	0.69	0	NC*
Female	5.26	3	NC*	Female	0.58	0	NC*
Total	5.31	3	NC*	Total	1.27	0	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.33	0	NC*	Male	0.59	0	NC*
				Female	0.25	0	NC*
				Total	0.85	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	2.10	3	NC*	Female	0.62	0	NC*
Female	1.91	0	NC*				
Total	4.01	3	NC*				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.33	0	NC*	Male	0.34	0	NC*
Female	0.10	0	NC*	Female	0.33	0	NC*
Total	0.42	0	NC*	Total	0.67	0	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.14	0	NC*	Male	5.37	4	NC*
Female	0.11	0	NC*				
Total	0.25	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.52	0	NC*	Male	0.35	1	NC*
Female	0.30	0	NC*	Female	0.21	0	NC*
Total	0.82	0	NC*	Total	0.56	1	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.31	0	NC*	Male	0.20	1	NC*
Female	0.08	0	NC*				
Total	0.38	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.38	0	NC*	Male	0.12	0	NC*
Female	0.29	0	NC*	Female	0.30	0	NC*
Total	0.67	0	NC*	Total	0.42	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.19	0	NC*	Female	1.00	0	NC*
Female	0.07	0	NC*				
Total	0.26	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	2.80	2	NC*	Male	17.49	16	91
Female	2.02	2	NC*	Female	15.99	5	31 ~-
Total	4.82	4	NC*	Total	33.48	21	63 #-

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